

DOCUMENT NO. \_\_\_\_\_

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31 March 1954

NEXT REVIEW DATE: \_\_\_\_\_

AUTH: \_\_\_\_\_

DATE: *31 MAR 54* REVIEWER: 037169

MEMORANDUM FOR: THE RECORD

SUBJECT: Meeting with \_\_\_\_\_

1. Time and Place of Meeting: 16th and 17th of March 1954 at \_\_\_\_\_2. Attendance: \_\_\_\_\_Discussion of:

All projects  
 P-60B, P-102, P-109, P-103  
 P-109 only  
 P-102, P-103 only  
 P-139, Subminiature Receiver,  
 VLF only  
 VLF only  
 AFD, All projects  
 AFD, All projects  
 AFD, All projects

3. Purpose: To discuss projects P-60B, P-93, P-102, P-103, P-109, P-139, and the Subminiature Recorder.4. Discussion:a. General: In the future \_\_\_\_\_ will submit all proposals, reports, and correspondence in four copies.

The merits of a general services task for preliminary studies was discussed and it was decided that such a task would be desirable.

b. P-60B Night Landing System, Ultraviolet: \_\_\_\_\_ was given the data on the UV lamp made by General Electric for autocollimator tests by ARCS.

\_\_\_\_\_ indicated that flight tests should be arranged for July tentatively.

AFD will obtain from American Optical transmission characteristics of 1045 glass used in the autocollimator.

AFD will obtain an ultraviolet lamp manufactured by Grimes Manufacturing Company, Urbana, Ohio, for the Wright Air Development Center.

P-93/

SECRET

**SECRET**

c. P-93 Communication System, VLF Groundwave: University of Pennsylvania report was loaned to [ ]

50X1

APD will arrange liaison with ONR and Sir Charles Wright Scripps Oceanographic Laboratory.

APD will rewrite requirements of study phase and submit to [ ] who will then submit a revised proposal.

50X1

d. P-102, P-103 Transducers and Actuators, Indexing and Cataloging: [ ] gave a general presentation of the project, showed samples of the various parts of the catalog, and described how these parts worked. An outline of the system as described will be sent to APD.

50X1

APD agreed to contact Mr. Wildhack, BuStds to arrange a meeting of [ ] APD, and BuStds Office of Basic Information representatives to discuss the relationship of the OBI projects and the project at [ ]

50X1

50X1

It was agreed that an APD representative should spend about a week at [ ] to completely familiarize himself with the index.

50X1

e. P-109 Microphone, Fluid Contact: [ ] representatives state that investigation to date has indicated that there is no suitable contact microphone unit. It was decided that the project would be directed toward producing a good workable unit without restricting the investigation by strict operational requirements such as detectability, and subminiature size. The gathering of technical information and tests on commercial units should continue. Also new techniques such as the electret should be investigated in addition to the fluid principle now being investigated. The optimum placement of contact microphones in typical building structures will also be investigated. [ ] has had a problem finding a suitable fluid for the fluid microphones. Analin has good electrical properties but its sensitivity to air and moisture necessitates filling under vacuum. [ ] plans to investigate silicone liquids as well as other organics.

50X1

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f. P-139 Chinese Decoder: The report on the Lin Chinese typewriter was loaned to [ ] for consideration as a possible print out device for the Chinese decoder. [ ] felt that such a mechanical system would be adequate for speeds up to about one character per second but if higher speeds are required an electronic scanning system would be desirable.

50X1

50X1

APD will make further contacts before any action is taken on the [ ] proposal.

50X1

Subminiature/

- 2 -

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C. Subminiature Recorder: The proposal will be rewritten to make the project a study of the present state of the art in the field of recording.



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TGS/APD

**Distribution:**

Orig. - P-60B

1 - P-93

✓ 1 - P-102

1 - P-103

1 - P-109

1 - P-139

1 - Chromo



50X1

SECRET